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CR-137447

TYPE I PROGRESS REPORT (For the Period 9 February 1974 - 8 April 1974)

TITLE: Effects of Construction and Staged Filling of Reservoirs on the
Environment and Ecology MMC #341.

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GSFC ID NUMBER: DE 335

OBJECTIVE: To study the environment and ecological impact of the construction
and operation of Oakley Dam and Friends Creek Impoundment located
on the Sangamon River in East Central Illinois.

1. The contract has been signed by the Corps of Engineers' Chicago District Office (CDO) and the University of Illinois regarding the Springer-Sangamon Environmental Research Program (SSERP). This program is the source of ground-truth information for this ERTS-1 project. Under this contract, ground-truth data is being prepared in an acceptable format for correlation with imagery and/or photographic data. Correlation will commence as soon as the data is received.
2. The mosaic of the study area using photographs obtained from the CDO at a scale of 1:12,000 is about 90% complete.
3. On March 19, 1974, nine (9) CCT were received and are being utilized for testing the change detection system.
4. The digital classification for the October 2, 1972, ERTS-1 CCT is complete.
5. During this reporting period, most of the work has been concentrated on the refinement of the interpretation and mapping programs.
6. Work planned for the next two months:
 - a. The change detection system will be tested utilizing the CCT.
 - b. As soon as the ground-truth data is available, in an acceptable format, it will be correlated with imagery and/or photographic data.
7. NASA has established May 28, 1974, as the date NASA will terminate the processing and delivery of satellite and aircraft data acquired over the test site to CERL. In the future, CERL personnel will submit a request to extend the processing and delivery of certain ERTS-1 and underflight data beyond the termination date.

E74-10458) EFFECTS OF CONSTRUCTION AND
STAGED FILLING OF RESERVOIRS ON THE
ENVIRONMENT AND ECCLOGY Progress Report,
9 Feb. - 8 Apr. (Corps of Engineers,
Champaign, Ill.) 1 p HC \$4.00 CSCL 08H

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